

REQUEST FOR QUOTATION (THIS IS NOT AN ORDER)		THIS REQ. <input checked="" type="checkbox"/> IS NOT A SMALL BUSINESS SET-ASIDE		PAGE 1 OF 11 PAGES	
1. REQUEST NO. N00167-05-Q-0062		2. DATE ISSUED 05 JAN 12		3. REQUISITION/PURCHASE REQUEST NO. 64500 43529179	
4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1		5. RATING			
5a. ISSUED BY CONTRACTING OFFICER NSWC CARDEROCK DIVISION				6. DELIVER BY (Date) 06 JUL 31	
5b. FOR INFORMATION CALL (NO COLLECT CALLS)				7. DELIVERY <input checked="" type="checkbox"/> FOB DESTINATION <input type="checkbox"/> OTHER (See Schedule)	
NAME 9500 MACARTHUR BLVD. W BETHESDA, MD 20817-5700 JUNE CATTERTON		TELEPHONE NUMBER AREA CODE NUMBER 301 227-3475 FAX: 301 227-1847		9. DESTINATION N00167	
8. TO:		a. NAME OF CONSIGNEE RECEIVING CODE 3341 BLDG 143 RECEIVING OFFICER NAVAL SURFACE WARFARE CENTER			
a. NAME		b. COMPANY		b. STREET ADDRESS 9500 MACARTHUR BLVD	
c. STREET ADDRESS				c. CITY W BETHESDA	
d. CITY		e. STATE		f. ZIP CODE MD 20817-5700	
10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5A ON OR BEFORE CLOSE OF BUSINESS (Date) 05 JAN 26		IMPORTANT: This is a request for information and quotations furnished are not offers. If you are unable to quote, please so indicate on this form and return it to the address in Block 5A. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or services. Supplies are of domestic origin unless otherwise indicated by quote. Any representations and/or certifications attached to this Request for Quotations must be completed by the quote.			
11. SCHEDULE (Include applicable Federal, State and local taxes)					
ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
(a)	(b)	(c)	(d)	(e)	(f)
0001	REQN. NO. 64500 /43529179 ITEM NAME: PROVIDE SERVICES FOR MAGNETOSTRICTIVE MATERIALS RESEARCH AND DEVELOPMENT EXPERTISE IN ACCORDANCE WITH THE ATTACHED STATEMENT OF WORK. THIS TASK WILL BE INCREMENTALLY FUNDED.	1	LT		
12. DISCOUNT FOR PROMPT PAYMENT		a. 10 CALENDAR DAYS (%)		b. 20 CALENDAR DAYS (%) c. 30 CALENDAR DAYS (%) d. CALENDAR DAYS	
				NUMBER PERCENTAGE	
NOTE: Additional provisions and representations are are not attached					
13. NAME AND ADDRESS OF QUOTER		14. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION		15. DATE OF QUOTATION	
a. NAME OF QUOTER					
b. STREET ADDRESS		16. SIGNER			
c. COUNTY		a. NAME (Type or print)		b. TELEPHONE	
d. CITY		e. STATE f. ZIP CODE		c. TITLE (Type or print)	
				NUMBER	

AUTHORIZED FOR LOCAL REPRODUCTION

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STANDARD FORM 18 (Rev. 6-95)

Prescribed by GSA-FAR (48 CFR) 53.215-1(a)

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SECTION F TIME OF DELIVERY

DELIVERIES SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS

ITEM	QUANTITY	DELIVERY REQUIRED
0001	1 LT	06-JUL-31

252.227-7013 RIGHTS AND TECHNICAL DATA--NONCOMMERCIAL ITEMS NOV 1995

52.204-2 SECURITY REQUIREMENTS (AUG 1996)

52.245-2 GOVERNMENT PROPERTY (FIXED PRICE CONTRACTS) (DEC 1989)~

52.249-8 DEFAULT (FIXED PRICE SUPPLY & SERVICE) (APRIL 1984)

52.213-4 Terms and Conditions--Simplified Acquisitions (Other Than Commercial Items) (OCT 2004)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) and Defense Federal Acquisition Regulation Supplement (DFARS) clauses that are incorporated by reference:

(1) The clauses listed below implement provisions of law or Executive order:

(i) 52.222-3, Convict Labor (June 2003) (E.O. 11755).

(ii) 52.222-21, Prohibition of Segregated Facilities (Feb 1999) (E.O. 11246).

(iii) 52.222-26, Equal Opportunity (Apr 2002) (E.O. 11246).

(iv) 52.225-13, Restrictions on Certain Foreign Purchases (Dec 2003) (E.o.s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

(v) 52.233-3, Protest After Award (Aug 1996) (31 U.S.C. 3553).

(vi) 52.233-4, Applicable Law for Breach of Contract Claim (OCT 2004) (Pub. L. 108-77, 108-78)

(2) Listed below are additional clauses that apply:

(i) 252.204-7003, Control of Government Personnel Work Product (Apr 1992)

(ii) 52.232-1, Payments (Apr 1984).

(iii) 52.232-8, Discounts for Prompt Payment (Feb 2002).

(iv) 52.232-11, Extras (Apr 1984).

(v) 52.232-25, Prompt Payment (Oct 2003).

(vi) 52.233-1, Disputes (Jul 2002).

(vii) 252.243-7001 Pricing of Contract Modifications (Dec 1991)

(viii) 52.244 6, Subcontracts for Commercial Items (Jul 2004).

(ix) 52.253-1, Computer Generated Forms (Jan 1991).

(b) The Contractor shall comply with the following FAR and DFARS clauses, incorporated by reference, unless the circumstances do not apply:

(1) The clauses listed below implement provisions of law or Executive order:

(i) 52.222-19, Child Labor--Cooperation with Authorities and Remedies (Jun 2004) (E.O. 13126). (Applies to

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contracts for supplies exceeding the micro-purchase threshold.)

(ii) 52.222-20, Walsh-Healey Public Contracts Act (Dec 1996) (41 U.S.C. 35-45) (Applies to supply contracts over \$10,000 in the United States, Puerto Rico, or the U.S. Virgin Islands).

(iii) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001) (38 U.S.C. 4212) (Applies to contracts of \$25,000 or more).

(iv) 52.222-36, Affirmative Action for Workers with Disabilities (June 1998) (29 U.S.C. 793). (Applies to contracts over \$10,000, unless the work is to be performed outside the United States by employees recruited outside the United States.) (For purposes of this clause, United States includes the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.)

(v) 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001) (38 U.S.C. 4212) (Applies to contracts of \$25,000 or more).

(vi) 52.222-41, Service Contract Act of 1965, As Amended (May 1989) (41 U.S.C. 351, et seq.) (Applies to service contracts over \$2,500 that are subject to the Service Contract Act and will be performed in the United States, District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, Johnston Island, Wake Island, or the outer continental shelf lands).

(vii) 52.223-5, Pollution Prevention and Right-to-Know Information (Aug 2003) (E.O. 13148) (Applies to services performed on Federal facilities).

(viii) 252.225-7001, Buy American Act and Balance of Payments Program (Apr 2003) (Applies to all contracts for supplies unless an exception is authorized by DFARS 225.1101(2) (i) through (iv)).

(ix) 252.225-7013, Duty-Free Entry (Apr 2003) (Applies to all contracts for supplies except those supplies that will not enter the customs territory of the United States).

(x) 52.232-33, Payment by Electronic Funds Transfer-- Central Contractor Registration (Oct 2003). (Applies when the payment will be made by electronic funds transfer (EFT) and the payment office uses the Central Contractor Registration (CCR) database as its source of EFT information.)

(xi) 52.232-34, Payment by Electronic Funds Transfer-- Other than Central Contractor Registration (May 1999). (Applies when the payment will be made by EFT and the payment office does not use the CCR database as its source of EFT information.)

(xii) 252.247-7023, Transportation of Supplies by Sea (May 2002) Alternate III (May 2002) (Applies when transporting any supplies by sea under this contract.)

(2) Listed below are additional clauses that may apply:

(i) 52.204-7, Central Contractor Registration (Oct 2003) (Applies to all contracts unless an exception is authorized by FAR 4.1102(a).)

(ii) 252.204-7004, Alternate A (Nov 2003) (Applies if FAR 52.204-7 is applicable.)

(iii) 52.209-6, Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (July 1995) (Applies to contracts over \$25,000).

(iv) 52.211-5 Material Requirements (Aug 2000) (Applies to contracts for supplies that are not commercial

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items).

(v) 52.211-17, Delivery of Excess Quantities (Sept 1989) (Applies to fixed-price supplies).

(vi) 252.225-7002, Qualifying Country Sources as Subcontractors (Apr 2003) (Applies if the contract is subject to the DFARS clause 252.225-7001, Buy American Act and Balance of Payments Program (see (b)(1)(viii) above)).

(vii) 52.243-1, Changes--Fixed Price (Aug 1987) (Applies to fixed-price contracts for supplies).

(viii) 52.243-1, Changes--Fixed Price (Aug 1987) Alternate I (Apr 1984) (Applies to fixed price contracts for services, other than architect engineer or other professional services, and no supplies are to be furnished).

(ix) 52.243-1, Changes--Fixed Price (Aug 1987) Alternate II (Apr 1984) (Applies to fixed price contracts for services (other than architect-engineer services, transportation, or research and development) and supplies are to be furnished).

(x) 52.243-1, Changes--Fixed Price (Aug 1987) Alternate V (Apr 1984) (Applies to fixed price contracts for research and development).

(xi) 52.247-29, F.o.b. Origin (Jun 1988) (Applies to supplies if delivery is f.o.b. origin).

(xii) 52.247-34, F.o.b. Destination (Nov 1991) (Applies to supplies if delivery is f.o.b. destination).

(xiii) 52.222-42, Statement of Equivalent Rates for Federal Hires (May 1989) (Applies if the contract amount is expected to be over \$2,500 and the contract is subject to the clause 52.222-41, "Service Contract Act of 1965, As Amended" (see (b)(1)(vi) above)).

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

This Statement is for Information Only:

It is not a Wage Determination

Employee Class	Monetary Wage --Fringe Benefits
_____	_____
_____	_____
_____	_____

(xiv) 52.246-11 Higher-Level Contract Quality Requirement (Feb 1999) (Applies to contracts when the contracting officer finds it is in the Governments interest to require that higher-level quality standards be maintained and such standards are selected and identified in the clause).

The Contractor shall comply with the higher-level quality standard selected below. [If more than one standard is listed, the offeror shall indicate its selection by checking the appropriate block.]

	Title	Number	Date	Tailoring
*	_____	_____	_____	_____
*	_____	_____	_____	_____

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* _____
* _____

[Contracting Officer insert the title, number (if any), date, and tailoring (if any) of the higher-level quality standards.]

(c) FAR 52.252-2, Clauses Incorporated by Reference (Feb 1998). This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

FAR clauses - <http://www.arnet.gov/far/>
DFARS clauses - <http://www.acq.osd.mil/dp/dars/dfars.html>

(d) Inspection/Acceptance. The Contractor shall tender for acceptance only those items that conform to the requirements of this contract. The Government reserves the right to inspect or test any supplies or services that have been tendered for acceptance. The Government may require repair or replacement of nonconforming supplies or reperformance of nonconforming services at no increase in contract price. The Government must exercise its postacceptance rights--

(1) Within a reasonable period of time after the defect was discovered or should have been discovered; and

(2) Before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

(e) Excusable delays. The Contractor shall be liable for default unless nonperformance is caused by an occurrence beyond the reasonable control of the Contractor and without its fault or negligence, such as acts of God or the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, unusually severe weather, and delays of common carriers. The Contractor shall notify the Contracting Officer in writing as soon as it is reasonably possible after the commencement of any excusable delay, setting forth the full particulars in connection therewith, shall remedy such occurrence with all reasonable dispatch, and shall promptly give written notice to the Contracting Officer of the cessation of such occurrence.

(f) Termination for the Government's convenience. The Government reserves the right to terminate this contract, or any part hereof, for its sole convenience. In the event of such termination, the Contractor shall immediately stop all work hereunder and shall immediately cause any and all of its suppliers and subcontractors to cease work. Subject to the terms of this contract, the Contractor shall be paid a percentage of the contract price reflecting the percentage of the work performed prior to the notice of termination, plus reasonable charges that the Contractor can demonstrate to the satisfaction of the Government, using its standard record keeping system, have resulted from the termination. The Contractor shall not be required to comply with the cost accounting standards or contract cost principles for this purpose. This paragraph does not give the Government any right to audit the Contractor's records. The Contractor shall not be paid for any work performed or costs incurred that reasonably could have been avoided.

(g) Termination for cause. The Government may terminate

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this contract, or any part hereof, for cause in the event of any default by the Contractor, or if the Contractor fails to comply with any contract terms and conditions, or fails to provide the Government, upon request, with adequate assurances of future performance. In the event of termination for cause, the Government shall not be liable to the Contractor for any amount for supplies or services not accepted, and the Contractor shall be liable to the Government for any and all rights and remedies provided by law. If it is determined that the Government improperly terminated this contract for default, such termination shall be deemed a termination for convenience.

(h) Warranty. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.

(End of clause)

Your quotation must include the following information:

Price list number and date

or

Cost breakdown by direct labor (list categories, hours and pay rates). In addition to the direct rates, provide the applicable indirect information (G&A), overhead, facilities capital cost of money (FCCM) and profit.

or

Applicable General Services Administration (GSA) contract number.

If unable to quote FOB, Destination, please complete the following:

FOB Point _____

Estimated Shipping Charge _____

Business size:

Large _____ Small _____ Nonprofit _____

Cage Code _____

Tax Identification Number (TIN) _____

DUNNS _____

ELIGIBILITY REQUIREMENTS

All contractors and individuals doing business with the Federal Government must be registered at the Contractor

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Central Registration Database located at:
<http://ccr.dlsc.dla.mil/>.

ELECTRONIC DISTRIBUTION OF CONTRACT DOCUMENTS

All contract award and contract modification documents will be distributed electronically using the Navy Air Force Interface (NAFI) system. The contractor's copy will be provided in portable document format (pdf) as an attachment to an e-mail that will be sent to the contractor by the NAFI system. A pdf file may be accessed using Adobe Acrobat Reader software. This is a free software that may be downloaded at:

<http://www.adobe.com/products/acrobat/readstep.html>

Provide the following information that will be used to make electronic distribution for any resultant contract:

Name of Point of Contact to Receive
Distribution _____

Phone Number for Point of Contact _____

E-Mail Address for Receipt of Distribution _____

USE OF THE GOVERNMENTWIDE COMMERCIAL PURCHASE CARD

Will you accept the Governmentwide Commercial Purchase Card as a method of purchasing supplies and/or services.

_____ Yes

_____ No

Will you accept the Governmentwide Commercial Purchase Card as a method of payment for your invoice.

_____ Yes

_____ No

DUTY FREE ENTRY

Will any materials being shipped to the Government require a duty-free entry certificate for foreign supplies.

_____ Yes

_____ No

If yes, please include dollar amount \$ _____

**MAGNETOSTRICTIVE MATERIALS RESEARCH AND DEVELOPMENT EXPERTISE
STATEMENT OF WORK**

1. TITLE

- 1.1 Scientific and technical support for NSWCCD, West Bethesda, Advanced Materials Branch (642).

2. OBJECTIVE/BACKGROUND

2.1 Provide physics and material science expertise to support the development of magnetostrictive materials (Fe-based magnetostrictive alloys, Terfenol-D) from basic research and material development through applications, taking into account the various and unique Navy requirements for the entire breadth of Navy needs from underwater transducers and sensors to shipboard vibration control and energy harvesting. Transducers and actuators ranging in size from nanoscale through large, high power projectors will be addressed. Performance over a wide range of temperature and shock loads as required by Naval systems and well beyond those experienced in the commercial sector, must be addressed and analyzed to assure both near and far-term performance. Specific tasking will be defined in writing, including description of effort, schedule, and deliverables, based on this base SOW.

3. SCOPE OF WORK

The contractor must be a PhD physicist with demonstrated extensive knowledge of and experience in the magnetic and magnetoelastic properties, e.g. magnetostriction, permeability, piezomagnetic constant, elastic moduli, and magnetic anisotropy of magnetostrictive materials. Specific and significant experience (more than 25 years) must be demonstrated in the development of Navy and DoD-specific magnetostrictive materials such as Terfenol-D, Galfenol and high magnetoelastic coupling coefficient sensor materials and must have demonstrated the ability to formulate theoretical models for magnetostrictive materials. Experience aggregating more than 25 years is required with the following specific alloy systems: magnetostrictive RFe_2 and Fe-Ga alloy systems, where R is one or more rare earths for the temperature range of -60°C to 80°C ; alloy design, e.g. proper choice of the rare earth components for the RFe_2 alloys and proper choice of Ga and X (Mn, V, Al, Co, etc.) for the Fe-Ga-X alloys to achieve desired transduction performance; high magnetoelastic coupling coefficient sensor materials. Also required is extensive knowledge of the use of these materials in Navy devices, e.g. vibration dampers, low frequency and piezomagnetic/piezoelectric hybrid transducers, and magnetic field sensors. The contractor shall provide technical services to 642 for typical tasks that include:

3.1 Sonar Transducer Materials Development

- 3.1.1 High-Strength Alloys with Moderate Magnetostriction Development - Current alloys with giant magnetostriction are quite brittle and expensive. A need exists to develop less expensive, stronger alloys with magnetostrictions ~ 200 ppm. Alloys will be based upon bcc Fe with primary additions of Ga, Al, and Co, and minor additions of Cr, Mn, and B. Structures investigated will be B2 (CsCl), $D0_3$ (BiF_3) and $L1_2$ ($AuCu_3$). The effect of the dependence of the concentration of Ga, Al, and Co on the magnetization, magnetic anisotropy, and magnetostriction will be examined over a broad temperature range from cryogenic temperatures to above room temperature.
- 3.1.1.1 The effect of the dependence of the concentration of Ga in Fe-Ga alloys on the magnetization, magnetic anisotropy, and magnetostriction will be examined in detail. Emphasis will be on the "double" peak nature of the magnetostriction.
- 3.1.1.2 Annealing of Fe-Ga alloys under compression and/or magnetic field - Annealing of Galfenol (Fe-Ga) alloys in the range of 19% Ga has shown that an internal anisotropy energy can be developed. This allows for transducer operation of these alloys under tension up to 7 ksi. This important feature will be examined

**MAGNETOSTRICTIVE MATERIALS RESEARCH AND DEVELOPMENT EXPERTISE
STATEMENT OF WORK**

extensively. Annealing would be accomplished under both compression, tension and magnetic fields. Of great importance is the possibility to achieve near perfect magnetomechanical transduction ($k \approx 1$) under tensile operation when the product of the tensile load and the saturation magnetostriction equals the built-in anisotropy.

- 3.1.1.3 Dynamic performance of Galfenol alloys under tensile loads - The transduction properties of stress-annealed Galfenol under tension will be examined at low frequencies (10 Hz – 100 Hz) to extend the results obtained with the previous pseudo-static measurements.
 - 3.1.1.3.1 Strain output, power output and frequency dependence will be determined for various Ga compositions and annealing conditions. The issues of eddy currents and magnetic circuits will be investigated.
 - 3.1.1.4 Aging studies of stress-annealed Galfenol alloys - Many of the transduction features of the annealed alloys depend upon their stability. It is important to determine the highest temperature of operation before the magnetostrictive properties degrade.
 - 3.1.1.4.1 Time/temperature studies will be performed for samples prepared under different annealing conditions. In view of these findings, the optimum annealing conditions will be determined.

3.2 Theoretical Investigation of Magnetoelasticity

- 3.2.1 Investigation into the physical origin of the magnetoelastic fundamentals leading to the large magnetostriction of the Fe based alloys will be made, including analysis of elastic properties data and saturation magnetostrictions.

3.3 Energy Harvesting

- 3.3.1 Magnetomechanical alloys can be utilized to take unwanted vibration energy and converting into useful electrical energy. It is important to discern and evaluate the feasibility of converting unwanted mechanical energy (or noise) into useful electrical power using Galfenol and Terfenol transduction devices.

3.4 Ultrasensitive Magnetic Field Sensors

- 3.4.1 Ultrasensitivity depends on a large value of magnetomechanical coupling k . Properly field annealed iron-based amorphous ribbons have large values of k , but even larger values of k are theoretically possible. The mechanisms that limit k in current materials, e.g. geometry (demagnetizing fields), imperfections and inhomogeneities, will be explored.

4. GFI

- 4.1 All applicable technical data including drawings, technical manuals, appropriate and relevant supporting documentation, and sources of scientific information shall be made available by 642 or the West Bethesda technical library.

5. GFE

- 5.1 The contractor shall be required to work at the government facility located in West Bethesda, MD or at the contractor's facility as requested by the government representative in charge of the project.
- 5.2 The government shall provide workspace and necessary resources to the contractor if available.
- 5.3 The contractor may be required to provide computer equipment for contractor personnel.

**MAGNETOSTRICTIVE MATERIALS RESEARCH AND DEVELOPMENT EXPERTISE
STATEMENT OF WORK**

5.4 The contractor may be required to purchase incidental supplies, not to exceed 20% of total contract value.

5.5 The contractor is required to support facilities and equipments with specialized expertise, not to interfere with routine maintenance, but to assure optimum performance for the specific tasking required by this statement of work, as follows:

5.5.1 Calibration, modification, and operation of existing:

5.5.1.1 Magnetic materials characterization systems, including:

5.5.1.1.1 Vibrating sample magnetometer

5.5.1.1.2 High magnetic field electromagnet

5.5.1.1.3 Load frames with magnetoelastic measurement capabilities

5.5.1.2 Network/spectrum analyzers

5.5.1.3 Environmental Chambers

5.5.1.4 Furnaces

5.5.1.5 Power Supplies

6. PERFORMANCE AND DELIVERY

6.1 All technical support shall be completed NLT 18 months from date of award.

6.2 The contractor shall provide copies of technical information and/or electronic copies of all initiatives as requested by the project technical lead. This includes, but is not exclusive to:

6.2.1 Scientific Reports

6.2.2 Facilities and Equipment modification Documentation

6.2.3 Support on Proposals

6.3 The contractor will provide presentations to peer groups and sponsors as required and relevant to tasking specified, and the format specified, including, but not exclusive to:

6.3.1 PowerPoint

6.3.2 MS Office

6.4 The contractor will coordinate efforts and exchange information with other contractors and government professionals as required and relevant to tasking specified.

7. CONFERENCES AND MEETINGS

7.1 The contractor shall be available for frequent (average 3 – 5 times per week) meetings to be held at NSWCCD, West Bethesda, MD or other location as identified by the technical leader.

7.2 The contractor shall possess the requisite clearance to attend meetings at the SECRET level.

8. TRAVEL

8.1 Local and/or long distance travel may be required to meet project objectives. The technical lead will alert the contractor when and where travel is required.

9. SECURITY REQUIREMENTS

**MAGNETOSTRICTIVE MATERIALS RESEARCH AND DEVELOPMENT EXPERTISE
STATEMENT OF WORK**

9.1. Personnel with classified clearance at the SECRET level are required.

10. TECHNICAL POINT OF CONTACT

10.1 Ms. Marilyn Wun-Fogle, (301) 227-5968, Fax (301) 227-5434,
wunfoglem@nswccd.navy.mil.

10.2 Dr. James Restorff, (301) 227-5440, restorffjb@nswccd.navy.mil

11. SERVICES INFORMATION

11.1 The contractor shall not exercise personal judgment on behalf of the Government. The Government shall not assign sub-tasks or prepare work schedules but shall allow the contractor to meet delivery schedules established in the overall task or project. The technical lead shall monitor work via contractor reports as requested.